AMENDED CLAIMS

Sub A2

1. Process for producing hot-seal packs, in particular for transdermal therapeutic systems, by transporting, in a predetermined cycle through a sealing unit, two laps of continuous pack material composed of two or more layers and in each case having a weldable polymer layer lying against the other lap, and, using a sealing tool there which acts upon both laps, in order to produce a weld along predetermined lines, bringing the laps into contact with pressure and with a temperature of above the melting point of the polymer, for a sealing period, characterized in that while the cycle remains the same there is an increase in the sealing period by a factor, in particular a factor of two, and in that there is a lowering of the temperature of the heated sealing heads of the sealing tool (1, 2) such that there is a considerable reduction in the temperature reached within the pack material (3, 4), this temperature then being only slightly above the melting point of the polymer layer (8).

2. Process according to Claim 1, characterized in that there is also a reduction in the sealing pressure.

3. Process according to Claim 1, characterized in that, after the predetermined lines on the pack material (3, 4) have first been brought into contact with pressure and with heat, the pack material is advanced in the cycle and these lines on the pack material are brought into contact on a second occasion or on further occasions with pressure and with h at, using the same sealing p riod.

4. Device for performing the process according to any one of Claims 1 to 3, comprising a sealing unit with heated sealing tools and a transport device for the pack material, characterized in that the sealing unit comprises two cooperating, heated sealing heads (1) and (2), said sealing head (2) being arranged or configured on the side of the pack material (3, 4) facing away from the first sealing head (1), and said sealing heads having, in succession in the direction of advance, two or more identical contact area structures corresponding to the predetermined weld lines for transmitting temperature and pressure to the pack material (3, 4), with the length of one contact area structure in the direction of advance corresponding to the advancement cycle.

add A3 > Add B3